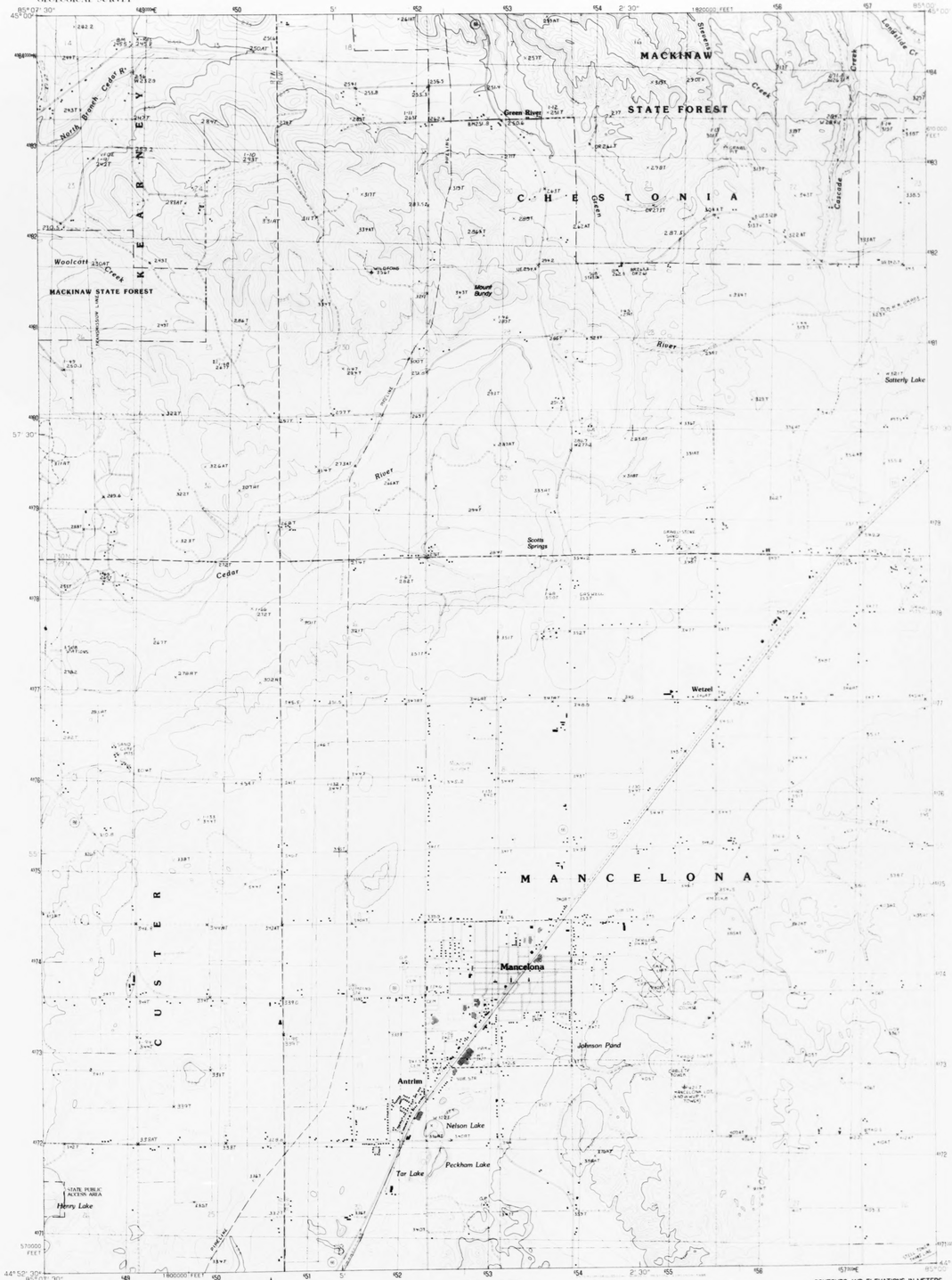
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MANCELONA QUADRANGLE
MICHIGAN-ANTRIM CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTOUR BY ..... USGS AND NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1965
FIELD CHECKED ..... 1965 MAP EDITED 1965
PROJECTION ..... UNIVERSAL TRANSVERSE MERCATOR
GRID TICKS 5000-METER UNIVERSAL TRANSVERSE MERCATOR ZONE 16
1000-FOOT STATE GRID TICKS ..... MICHIGAN, CENTRAL ZONE
UTM GRID DECLINATION ..... 1°22' EAST
1984 MAGNETIC NORTH DECLINATION ..... 4°45' WEST
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... 1927 NORTH AMERICAN DATUM

To place on the predicted North American Datum of 1983, move the projection lines as shown by dashed corner ticks 0 meters north

There may be private inholdings within the boundaries of any Federal and State Reservations shown on this map

No distinction made between houses, barns, and other buildings

Gray tint indicates area in which selected buildings are shown

PROVISIONAL MAP
Produced from original manuscript drawings. Information shown as of date of photography.

CONTOUR INTERVAL 5 METERS
SUPPLEMENTARY CONTOUR INTERVAL 25 METERS
CONTROL AND FIELD ESTABLISHED ELEVATIONS SHOWN TO THE NEAREST .01 METER
OTHER ELEVATIONS SHOWN TO THE NEAREST METER
To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by .3048

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
AND GEOLOGICAL SURVEY DIVISION
MICHIGAN DEPARTMENT OF NATURAL RESOURCES, LANSING, MICHIGAN 48909

MICHIGAN
QUADRANGLE LOCATIONS

1 Scotts Lake
2 Kalkaska
3 Deadmans Hill
4 Bellaire
5 Ellsworth
6 Alden
7 Mancelona
8 Bearcamp
9 Bearcamp Lake

ADJOINING 7.5' QUADRANGLE NAMES

CONTOURS AND ELEVATIONS IN METERS

ROAD LEGEND

Improved Road
Unimproved Road
Trail

Interstate Route U.S. Route State Route

MANCELONA, MICHIGAN
PROVISIONAL EDITION 1985

44085-H1-TM-024